

In the Claims:

Please amend claims 1, 2, 5 and 6 as follows:

1. (Currently Amended) A compiler device to generate an object code corresponding to a plurality of procedures in a source program, said plurality of procedures using an interface area in common, said object code for performing a procedure call in a program having a plurality of threads including a master thread and a non-master thread, making use of an interface area that is said plurality of procedures in parallel with a plurality of threads, one of said plurality of threads being a master thread and the others being non-master threads, said object code dynamically allocated allocating private interface areas corresponding to said interface area for said non-master threads, when said plurality of threads are processed in parallel.

2. (Currently Amended) A compiler device comprising:
a plurality of threads having a master thread and a non-master thread;
code generating means for generating a an object code for corresponding
to a plurality of procedures in a source program, said plurality of procedures using an
interface area in common, said object code being performed in parallel with a plurality of
threads, one of said plurality of threads being a master thread and the others being non-
master threads, said object code determining a leading addresses of an private

~~interface area~~areas ~~that is~~which being dynamically allocated for said non-master ~~thread~~threads instead of the interface area used in common, when at least one of said plurality of threads is processed; and

code converting means for converting ~~directa-reference~~references to data ~~in the interface area in a source program~~the object code into a code for referencing the ~~interface area making use of~~indirect references to data in the private interface areas based on the leading ~~address~~addresses ~~determined by executing said code generated by said code generating means of~~the private interface areas.

3. (Previously Presented) A compiler device of claim 2,

wherein said code generating means is constituted to generate a code for calling a library for determining the leading address of the interface area that is dynamically allocated for each thread.

4. (Previously Presented) A compiler device of claim 2,

wherein said code generating means is constituted to generate a code for determining the leading address of the interface area designated by a user.

5. (Currently Amended) A computer-readable recording medium recorded

with a compiler program for causing a computer to realize a function to generate an object

~~code for performing a procedure call in a program having~~corresponding to a plurality of procedures in a source program, said plurality of procedures using an interface area in common, said object code being performed in parallel with a plurality of threads including, one of said plurality of threads being a master thread and a-the others being non-master threadthreads, making use of an interface area that issaid object code dynamically allocated allocating private interface areas corresponding to said interface area for said non-master threadthreads, when said plurality of threads are processed in parallel-are executed.

6. (Currently Amended) A computer-readable recording medium recorded with a compiler program ~~having a plurality of threads including a master thread and a non-master thread,~~ for causing a computer to realize:

~~a-an object code generating function for generating aan object code for~~corresponding to a plurality of procedures in a source program, said plurality of procedures using an interface area in common, said object code being performed with a plurality of threads, one of said plurality of threads being a master thread and others being non-master threads, said object code determining a-leading addressaddresses of an-private interface area that isareas which are dynamically allocated for the non-master threadthreads instead of the interface area used in common, when one of the plurality of threads is processed; and

a code converting function for converting ~~a referenced~~direct references to data in the interface area in a source program~~the object code~~ into a code for referencing the interface area making use of indirect references to data in the private interface areas based on the leading address determined by executing said code generated by said code generating functionaddresses of the private interfaces areas.

7. (Previously Presented) A computer-readable recording medium recorded with a compiler program of claim 6,

wherein said code generating function is constituted to generate a code for calling a library for determining the leading address of the interface area that is dynamically allocated for each thread.

8. (Previously Presented) A computer-readable recording medium recorded with a compiler program of claim 6,

wherein said code generating function is constituted to generate a code for determining the leading address of the interface area designated by a user.